

(19) World Intellectual Property
Organization
International Bureau



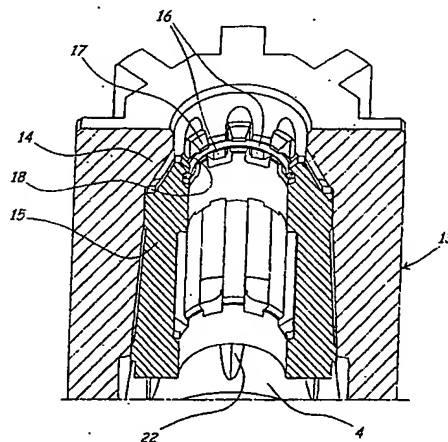
(43) International Publication Date
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number
WO 2005/044462 A1

- (51) International Patent Classification⁷: **B04B 1/08**, 11/02, 11/06
- (21) International Application Number: PCT/SE2004/001473
- (22) International Filing Date: 14 October 2004 (14.10.2004)
- (25) Filing Language: Swedish
- (26) Publication Language: English
- (30) Priority Data: 0302957-6 7 November 2003 (07.11.2003) SE
- (71) Applicant (for all designated States except US): **ALFA LAVAL CORPORATE AB** [SE/SE]; Box 73, S-221 00 Lund (SE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **PITKÄMÄKI, Jouko Juhani** [SE/SE]; Skäcklingevägen 101, S-147 55 Tumba (SE). **NILSSON, Sven-Åke** [SE/SE]; Box 27, S-646 01 Gnesta (SE).
- (74) Agent: **STRANDÉN, Lars-Erik**; Alfa Laval Corporate AB, Hans Stahles väg, S-147 80 Tumba (SE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG):
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AN ENTRAINMENT DEVICE FOR A CENTRIFUGAL ROTOR



(57) Abstract: An entrainment device for a centrifugal rotor, which is rotatable about a central rotational axis (R), having a number of entrainment members (11;12) arranged in said space (4) for entrainment of entering liquid in the rotation of the centrifugal rotor. The entrainment device comprises a first component (14), which surrounds the rotational axis (R) and has at least one first projection (16), which has a radial extension, and a second component (15), which surrounds the rotational axis (R) and has at least a second projection (17), which also has a radial extension. The second component (15) is axially insertable in said central space (4) to a position, in which said second projection (17) is present adjacent to said first projection (16). When the entrainment devices (11; 12) are in place in the central space (4), a locking member (18; 20) is applicable in releasable engagement with said projection (16; 17) so that the second component (15) is prevented from moving axially relative the first component (14).